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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

receiving an instruction to access a first page; and

determining whether to replace a second page in memory with the first page based on a reference indicator and a re-reference indicator for the second page, wherein the reference indicator indicates whether the second page has been accessed since the second page was loaded into the memory, and wherein the re-reference indicator indicates whether the second page has been accessed subsequent to the reference indicator being set; set; and

replacing the second page in the memory with the first page if both the reference indicator and the re-reference indicator are clear.

2. (Canceled)

3. (Original) The method of claim 1, further comprising:

replacing the second page in the memory with the first page if the reference indicator is set and the re-reference indicator is clear.

4. (Original) The method of claim 1, wherein the determining further comprises:

clearing the reference indicator and the re-reference indicator if both the reference indicator and the re-reference indicator are set and all pages in the memory are in use.

5. (Original) The method of claim 1, wherein the reference indicator is set by a memory management unit when the second page is accessed and the reference indicator was previously clear.

6. (Original) The method of claim 1, wherein the re-reference indicator is set by a memory management unit when the second page is accessed and the reference indicator was previously set.

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7. (Currently Amended) A computer readable storage signal-bearing medium encoded with instructions, wherein the instructions when executed by a processor comprise:

when all of a plurality of pages in main memory are in use and a first page is not in main memory, searching a plurality of entries in a page table, wherein each of the plurality of entries includes a reference indicator and a re-reference indicator; and

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